



**Department of Energy**  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

**0058940**

03-ERD-0066

**FEB 27 2003**

Ms. Laura Cusack  
Project Management Section Manager  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
1315 West Fourth  
Kennewick, Washington 99336

**RECEIVED**  
MAR 17 2003

**EDMC**

Mr. Phil J. Meese  
Benton County Planning Department  
P. O. Box 910  
Prosser, Washington 99350

Addressees:

**TRANSMITTAL OF THE 1324-N SURFACE IMPOUNDMENT AND THE 1324-NA PERCOLATION POND SURVEY PLAT**

To fulfill the requirements of Washington Administrative Code (WAC) 173-303-610(9), the U. S. Department of Energy, Richland Operations Office, is hereby transmitting the survey plat for the 1324-N Surface Impoundment and the 1324-NA Percolation Pond (also known as 120-N-2 and 120-N-1 waste treatment sites, respectively) (Attachment 1). The survey plat must be submitted to the Benton County Planning Department and to the State of Washington Department of Ecology.

In accordance with the requirements of the WAC 173-303-610(9), the Survey Plat describes real property in which dangerous wastes had been previously disposed. The survey plat provides a recording of the location and dimensions of the disposal unit, contains a statement noting the presence and extent of any contaminant plumes associated with the disposal unit, and describes any land use restrictions associated with the property. This information is recorded on the survey plat as follows:

"The purpose of this survey is to document the location of the 1324-N Surface Impoundment and the 1324-NA Percolation Pond which are Resource, Conservation, and Recovery Act waste sites that were closed in December of 2002 by removal of waste from the site during closure activities. The soil column meets clean closure standards pursuant to WAC 173-303-610(2). The groundwater is contaminated with sulfate attributable to operation of the 1324-N and 1324-NA waste sites and remains above cleanup standards at the time of preparation of this record of survey. Therefore, use of this groundwater is restricted until such time as cleanup standards are met."

Addressees  
03-ERD-0067

-2-

FEB 27 2003

If you have any questions, please contact Chris Smith, of my staff, at 372-1544.

Sincerely,

A handwritten signature in cursive script, appearing to read "Helen E. Bilson".

Helen E. Bilson, Assistant Manager  
for the River Corridor Project

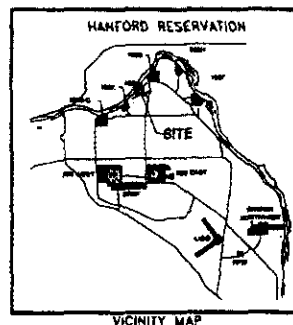
ERD:DCS

Attachment

cc w/ attach:  
N. Ceto, EPA  
V. R. Dronen, BHI  
D. A. Faulk, EPA  
J. Price, Ecology  
Administrative Record (1324-N)  
Environmental Portal

cc w/o attach:  
R. L. Donahoe, BHI  
R. J. Landon, BHI

THE PURPOSE OF THIS SURVEY IS TO DOCUMENT THE LOCATION OF THE 153-A-1 SHALOE  
WASTE PILE, THE 1532-A-1 PEROXIDE POND AND OTHER RESOURCES, CONSERVATION  
AND RECOVERY AREA WASTE SITES CLOSED IN DECEMBER OF 2002 BY REMOVAL OF WASTE  
FROM THE SITE DURING CLOSURE ACTIVITIES. THE SOIL COLUMN MEETS CLEAN CLOSURE  
STANDARDS PURSUANT TO WAF 175-303-610 (2). THE GROUNDWATER IS CONTAMINATED WITH  
SULFATE ATTRIBUTABLE TO OPERATION OF THE 1532-A-1 AND 1532-A-2 WASTE PILES.  
REMARKS ABOVE CLEAN STANDARDS AT THE TIME OF INVESTIGATION OF THIS SECOND SURVEY.  
THEREFORE, USE OF THE GROUNDWATER IS RESTRICTED UNTIL SUCH TIME AS CLEANUP  
STANDARDS ARE MET.



U.S. DEPARTMENT OF ENERGY HANFORD SITE  
1324-N REMEDIATION AREA  
LOCATED IN A PORTION OF SECTION 28,  
TOWNSHIP 14 NORTH, RANGE 26 EAST, W.M.,  
BENTON COUNTY, WASHINGTON

## 1524—NA PERCOLATION POWER

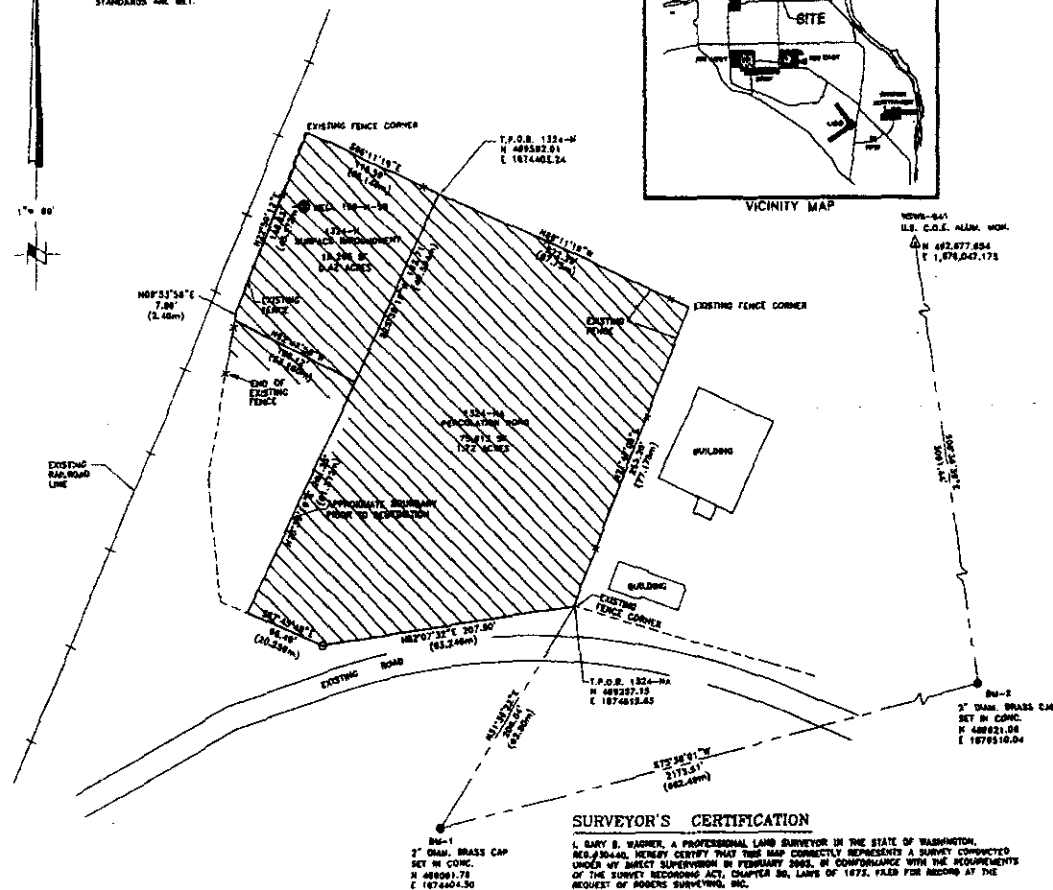
THAT PORTION OF SECTION 28, TOWNSHIP 14 NORTH, RANGE 26 EAST, WELLMETTE MERIDIAN,  
BENTON COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

[illegible]

## 1324-K SURFACE EQUIPMENT

THAT PORTION OF SECTION 28, TOWNSHIP 14 NORTH, RANGE 26 EAST, WILLAMETTE MERIDIAN,  
BENTON COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT U.S. CORPS OF ENGINEERS MONUMENT H590-541 AS MARKED BY A 3-1/2" ALUM.  
CAP HAVING GROUND COORDINATES OF N 482,977.84E, 1,874,021.77N, THENCE SOUTH  
10° 39' 18" WEST, 117.81 FEET TO BE-1, MARKED BY A 3" OAL. BRIST CAP HAVING  
AND COORDINATES OF N 482,961.74E, 1,874,006.00N THENCE NORTH 72° 22' 28" EAST, 238.9-  
FEET, THENCE NORTH 27° 00' 00" EAST, 100 FEET, THENCE SOUTH 10° 39' 18" WEST,  
NATURALLY OCCURRING CORNER OF THE 133-1 SLURRY IMPROVEMENT AND THE POINT OF BEGINNING.  
SAYD POINT HAVING A GROUND COORDINATE OF N 481,362.81E, 1,874,082.34N THENCE SOUTH  
37° 39' 18" WEST, 162.71 FEET, THENCE NORTH 27° 00' 00" EAST, 100.12 FEET, THENCE  
NORTH 89° 35' 00" EAST, 7.30 FEET, THENCE SOUTH 10° 39' 18" WEST, 10.63 FEET, THENCE  
NORTH 10° 39' 18" EAST, 10.63 FEET TO THE POINT OF BEGINNING.



**SURVEYOR'S CERTIFICATION**

I, GARY B. WAGNER, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF WASHINGTON, REG.#30440, HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION IN FEBRUARY 2003, IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT, CHAPTER 50, LAWS OF 1973, FILED FOR RECORD AT THE REQUEST OF ROGERS SURVEYING, INC.



DATE Feb 20, 2003

### AUDITOR'S CERTIFICATION

FILED FOR RECORD THIS 20th DAY OF February, 2003 A.D., AT 38  
MINUTES PAST 4:00 P. M. AND RECORDED IN VOLUME 1 OF SURVEYS.

PAGE 3156 AT THE REQUEST OF ROBERTS SURVEYING  
Bobbie Egan by: Joe Romaniuk 2003-007880  
 BENTON COUNTY AUDITOR FEE NUMBER

RECORD SURVEY NUMBER 2814261XX01

GENERAL NOTES:

1. BASIS OF BEARING & HORIZONTAL CONTROL: THE BEARING BASE FOR THIS SURVEY IS THE WASHINGTON COORDINATE SYSTEM (WCS), SOUTH ZONE, NORTH AMERICAN DATUM OF 1983. NO ADJUSTMENT. ALL BEARINGS SHOWN HEREON ARE "GRID". ALL DISTANCES ARE "TRUE" ORIGINALLY MEASURED. THE HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON MONUMENTS BM-1 AND BM-2, ESTABLISHED BY ROGERS SURVEYING, INC., IN OCTOBER 1989 FOR DECHTEL HANFORD, INC. THESE MONUMENTS ARE THE BASIS OF ONGOING SURVEY & MAPPING FOR THE 116-M-3 CDS AND 120-M-1 REMEDIATION WORK.

BEACH MARKS 1 & 2 WERE ESTABLISHED FROM CORPS OF ENGINEER MONUMENTS NEWB-D41  
AND NEWB-044.

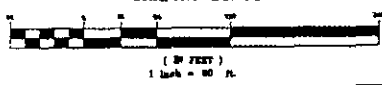
2.  $\odot$  = BUSHES KEY 3/8" x 24" NCBAR WITH YELLOW PLASTIC CAP STAMPED "R44-BMW 30440"

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1. (KAT) = DIS/ARTICLES (INFORMED) ON MATRONS.

4. EQUIPMENT AND PROCEDURES USED: THIS SURVEY WAS PERFORMED ON FEBRUARY 7, 2003 USING A SOKKIA SET 38-2 TOTAL STATION HAVING STANDARD ERRORS OF 1" ANGULAR AND 3.0mm + 1 ppm TIMES THE DISTANCE MEASURED. ALL POINTS WERE DOUBLE TIED FROM 2 INDEPENDENT CONTROL POINTS.

GRAPHIC SCALE



CLIENT		BECHTEL HANFORD, INC.		JOB 40033	
PROJECT		RECORD SURVEY			
		100N AREA 1324-N REMEDIATION			
DRN. BY	DSW	SCALE	1" = 40'	P. & M. NO.	HOME
APPROVED	DSW	DATE	2/10/2003	SHEET:	40033
					OF 1